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1 **A multifunction domestic alert system for the deaf-blind**
Damper, R.I.; Evans, M.D.;
Rehabilitation Engineering, IEEE Transactions on [see also IEEE Trans. on Neura Systems and Rehabilitation] , Volume: 3 Issue: 4 , Dec. 1995
Page(s): 354 -359

[Abstract]   [PDF Full-Text (680 KB)] **IEEE JNL**

2 **Temporal watermarking invertible only through source separation**
Berman, G.; Jouny, I.;
Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). IEE International Conference on , Volume: 4 , 13-17 May 2002
Page(s): IV-3732 -IV-3735 vol.4

[Abstract]   [PDF Full-Text (367 KB)] **IEEE CNF**

3 **Tactile-audio diagram for blind persons**
Minagawa, H.; Ohnishi, N.; Sugie, N.;
Rehabilitation Engineering, IEEE Transactions on [see also IEEE Trans. on Neura Systems and Rehabilitation] , Volume: 4 Issue: 4 , Dec. 1996
Page(s): 431 -437

[Abstract]   [PDF Full-Text (692 KB)] **IEEE JNL**

4 **1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings. ICASSP99 (Cat. No.99CH36258)**
Acoustics, Speech, and Signal Processing, 1999. ICASSP '99. Proceedings., 199! International Conference on , Volume: 1 , 15-19 March 1999

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1 **Optimization and quality measurement for the layer 2 compression sc
of MPEG audio coding**
Chien-Hua Hsu; I-Chen Wu; Ling-Yuan Kao; Jin-Fu Ueng;
Information, Communications and Signal Processing, 1997. ICICS., Proceedings
1997 International Conference on , Volume: 3 , 9-12 Sept. 1997
Page(s): 1522 -1526 vol.3

[Abstract]   [PDF Full-Text (520 KB)] **IEEE CNF**

2 **Simulation of FEC-based error control for packet audio on the Internet**
Podolsky, M.; Romer, C.; McCanne, S.;
INFOCOM '98. Seventeenth Annual Joint Conference of the IEEE Computer and
Communications Societies. Proceedings. IEEE , Volume: 2 , 29 March-2 April 19
Page(s): 505 -515 vol.2

[Abstract]   [PDF Full-Text (1168 KB)] **IEEE CNF**

3 **Perceptual coding of digital audio**
Painter, T.; Spanias, A.;
Proceedings of the IEEE , Volume: 88 Issue: 4 , April 2000
Page(s): 451 -515

[Abstract]   [PDF Full-Text (1188 KB)] **IEEE JNL**

4 **The effect of low bit-rate coding upon impaired audio material**
Keyhl, M.; Herre, J.; Ferreira, A.; Gilchrist, N.H.C.;
Broadcasting Convention, 1995. IBC 95., International , 14-18 Sep 1995
Page(s): 151 -158

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1 **The effect of low bit-rate coding upon impaired audio material**
Keyhl, M.; Herre, J.; Ferreira, A.; Gilchrist, N.H.C.;
Broadcasting Convention, 1995. IBC 95., International , 14-18 Sep 1995
Page(s): 151 -158

[Abstract]   [PDF Full-Text (528 KB)] **IEE CNF**

2 **The AUDETEL audio description service for visually impaired people**
Pledge, J.G.W.;
Time between Pictures - The Vertical Blanking Interval, IEE Colloquium on , 25 .
1994
Page(s): 3/1 -3/7

[Abstract]   [PDF Full-Text (280 KB)] **IEE CNF**

3 **PASC data coding for DCC**
Wirtz, G.;
Audio Engineering, IEE Colloquium on , 9 Mar 1994
Page(s): 6/1 -6/5

[Abstract]   [PDF Full-Text (232 KB)] **IEE CNF**

4 **Enhancing text to synthesised speech systems for the blind**
Simpson, P.J.;
Special Needs and the Interface, IEE Colloquium on , 13 Jan 1993
Page(s): 611 -615

[Abstract]   [PDF Full-Text (268 KB)] **IEE CNF**

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5 **The application of speech coding to AUDETEL services for visually imp people**
Pledge, J.G.W.;
Low Bit-Rate Speech Coding for Future Applications, IEE Colloquium on , 6 Dec
Page(s): 4/1 -4/6

[Abstract]   [PDF Full-Text (252 KB)] **IEE CNF**

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6 **Packet transmission of TV audio descriptions**
Rogers, P.; Slater, J.N.;
Coding for Packet Video and Speech Transmission, IEE Colloquium on , 9 Nov 1!
Page(s): 4/1 -4/8

[Abstract]   [PDF Full-Text (396 KB)] **IEE CNF**

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7 **Helping blind people to watch television-the AUDETEL project**
Lodge, N.K.; Slater, J.N.;
Broadcasting Convention, 1992. IBC., International , 3-7 Jul 1992
Page(s): 86 -91

[Abstract]   [PDF Full-Text (356 KB)] **IEE CNF**

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8 **A text-to-speech system for italian**
Delmonte, R.; Mian, G.; Tisato, G.;
Acoustics, Speech, and Signal Processing, IEEE International Conference on ICA
'84. , Volume: 9 , Mar 1984
Page(s): 81 -84

[Abstract]   [PDF Full-Text (94 KB)] **IEEE CNF**

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9 **A microcomputer-based speech synthesizer which speaks Spanish**
Berdichevsky, F.; Murillo, G.; Cutler, C.;
Acoustics, Speech, and Signal Processing, IEEE International Conference on ICA
'79. , Volume: 4 , Apr 1979
Page(s): 917 -920

[Abstract]   [PDF Full-Text (89 KB)] **IEEE CNF**

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10 **Bit-rate reduction for high-quality audio signals using floating-point digital filters**
Sauvagerd, U.;

Circuits and Systems, 1988., IEEE International Symposium on , 7-9 June 1988
Page(s): 2031 -2034 vol.3

[Abstract]   [PDF Full-Text (284 KB)] **IEEE CNF**

11 High quality audio bit-rate reduction system family for different applications

Stoll, G.; Dehery, Y.-F.;
Communications, 1990. ICC 90, Including Supercomm Technical Sessions.
SUPERCOMM/ICC '90. Conference Record., IEEE International Conference on , 1
April 1990
Page(s): 937 -941 vol.3

[Abstract]   [PDF Full-Text (488 KB)] **IEEE CNF**

12 Constrained-storage vector quantization in high fidelity audio transfc coding

Chan, W.-Y.; Gersho, A.;
Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 Internationa
Conference on , 14-17 April 1991
Page(s): 3597 -3600 vol.5

[Abstract]   [PDF Full-Text (392 KB)] **IEEE CNF**

13 New reference condition for very low bit rate voice coder evaluation

Cotton, B.;
Global Telecommunications Conference, 1992. Conference Record., GLOBECOM
'Communication for Global Users'., IEEE , 6-9 Dec. 1992
Page(s): 1719 -1722 vol.3

[Abstract]   [PDF Full-Text (308 KB)] **IEEE CNF**

14 Analysis of transmission schemes for satellite digital audio broadcast

Elia, C.; De Gaudenzi, R.; Viola, R.; Colzi, E.; Giannetti, F.; Azzarelli, A.;
Global Telecommunications Conference, 1993, including a Communications The
Mini-Conference. Technical Program Conference Record, IEEE in Houston. GLOB
'93., IEEE , 29 Nov.-2 Dec. 1993
Page(s): 1628 -1633 vol.3

[Abstract]   [PDF Full-Text (416 KB)] **IEEE CNF**

15 Proceedings of IEEE Workshop on Applications of Signal Processing t and Acoustics

Applications of Signal Processing to Audio and Acoustics, 1993. Final Program a
Paper Summaries., 1993 IEEE Workshop on , 17-20 Oct. 1993

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16 **Impulse noise mitigation strategies for multicarrier modulation**
Zogakis, T.N.; Chow, P.S.; Aslanis, J.T.; Cioffi, J.M.;
Communications, 1993. ICC 93. Geneva. Technical Program, Conference Record
International Conference on , Volume: 2 , 23-26 May 1993
Page(s): 784 -788 vol.2

[Abstract]   [PDF Full-Text (432 KB)] **IEEE CNF**

17 **Conference Record of The Twenty-Ninth Asilomar Conference on Sign
Systems and Computers**
Signals, Systems and Computers, 1995. 1995 Conference Record of the Twenty-
Asilomar Conference on , Volume: 1 , 30 Oct.-2 Nov. 1995

[Abstract]   [PDF Full-Text (840 KB)] **IEEE CNF**

18 **Code shift keyed spread spectrum for ocean acoustic telemetry**
Ritcey, J.A.; Griep, K.R.;
OCEANS '95. MTS/IEEE. 'Challenges of Our Changing Global Environment'. Conf
Proceedings. , Volume: 3 , 9-12 Oct. 1995
Page(s): 1386 -1391 vol.3

[Abstract]   [PDF Full-Text (396 KB)] **IEEE CNF**

19 **A test of MPEG using time-inverted spoken audio**
McLaughlin, T.; Cookson, J.; Rasmussen, L.;
Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference Procee
1996 IEEE International Conference on , Volume: 2 , 7-10 May 1996
Page(s): 1025 -1028 vol. 2

[Abstract]   [PDF Full-Text (228 KB)] **IEEE CNF**

20 **Using the visual component in automatic speech recognition**
Brooke, N.M.;
Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Conferen
Volume: 3 , 3-6 Oct. 1996
Page(s): 1656 -1659 vol.3

[Abstract]   [PDF Full-Text (396 KB)] **IEEE CNF**

21 **Use of micro-controller in a tactile aid for the hearing impaired**
Milnes, P.; Stevens, J.C.; Brown, B.H.; Summers, I.R.; Cooper, P.G.;
Engineering in Medicine and Biology Society, 1996. Bridging Disciplines for

Biomedicine. Proceedings of the 18th Annual International Conference of the IEI
Volume: 1 , 31 Oct.-3 Nov. 1996
Page(s): 413 -414 vol.1

[Abstract]   [PDF Full-Text (176 KB)] **IEEE CNF**

22 **Blind adaptive multiuser detection with probabilistic algorithms: app
to underwater acoustics**
Anton-Haro, C.; Fonollosa, J.A.R.; Zvonar, Z.; Fonollosa, J.R.;
Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE Interna
Conference on , Volume: 5 , 21-24 April 1997
Page(s): 3889 -3892 vol.5

[Abstract]   [PDF Full-Text (444 KB)] **IEEE CNF**

23 **1997 IEEE International Conference on Acoustics, Speech, and Signal
Processing**
Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE Interna
Conference on , Volume: 4 , 21-24 April 1997

[Abstract]   [PDF Full-Text (1224 KB)] **IEEE CNF**

24 **Frame rate and viseme analysis for multimedia applications**
Williams, J.J.; Rutledge, J.C.; Garstecki, D.C.; Katsaggelos, A.K.;
Multimedia Signal Processing, 1997., IEEE First Workshop on , 23-25 June 1997
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[Abstract]   [PDF Full-Text (308 KB)] **IEEE CNF**

25 **Optimization and quality measurement for the layer 2 compression s
of MPEG audio coding**
Chien-Hua Hsu; I-Chen Wu; Ling-Yuan Kao; Jin-Fu Ueng;
Information, Communications and Signal Processing, 1997. ICICS., Proceedings
1997 International Conference on , Volume: 3 , 9-12 Sept. 1997
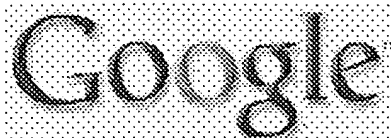Page(s): 1522 -1526 vol.3

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vol. 7, no. 2, pp. 193-203. **Audio** GPS: spatial **audio** in a minimal - Attention ...
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... Petrucci@cui.unige.ch Keywords: **Audio** + Haptics, 3D ... Keywords: Human Computer Interfaces,
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☐ 1. Document ID: US 6096961 A

L5: Entry 1 of 10   File: USPT   Aug 1, 2000

US-PAT-NO: 6096961
DOCUMENT-IDENTIFIER: US 6096961 A

TITLE: Method and electronic apparatus for classifying and automatically recalling
stored musical compositions using a performed sequence of notes

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Bruti; Luigi	Pedaso			IT
Cuccu'; Demetrio	Fermo			IT
Calo'; Nicola	S. Benedetto Del Tronto			IT

US-CL-CURRENT: 84/609; 84/610, 84/611, 84/645, 84/DIG.12

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 2. Document ID: US 5455378 A

L5: Entry 2 of 10   File: USPT   Oct 3, 1995

US-PAT-NO: 5455378
DOCUMENT-IDENTIFIER: US 5455378 A
** See image for Certificate of Correction **

TITLE: Intelligent accompaniment apparatus and method

DATE-ISSUED: October 3, 1995

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Paulson; John W.	Edina	MN		
Dunn; Mark E.	Apple Valley	MN		
Heidorn; Allen J.	Minnetonka	MN		

US-CL-CURRENT: 84/610; 84/634, 84/666

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 3. Document ID: US 5074182 A

L5: Entry 3 of 10   File: USPT   Dec 24, 1991

US-PAT-NO: 5074182
DOCUMENT-IDENTIFIER: US 5074182 A

TITLE: Multiple key electronic instrument having background songs each associated
with solo parts which are synchronized with and harmonious with the background song

DATE-ISSUED: December 24, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Capps; Stephen P.	Sunnyvale	CA		
DuFlon; Raymond H.	Woodside	CA		
Bogas; Edgar N.	San Francisco	CA		

US-CL-CURRENT: 84/609; 84/600

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 4. Document ID: US 4981066 A

L5: Entry 4 of 10   File: USPT   Jan 1, 1991

US-PAT-NO: 4981066
DOCUMENT-IDENTIFIER: US 4981066 A

TITLE: Electronic musical instrument capable of editing chord performance style

DATE-ISSUED: January 1, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kakizaki; Tadasu	Shizuoka			JP

US-CL-CURRENT: 84/613; 84/650, 84/DIG.22

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 5. Document ID: US 4881440 A

L5: Entry 5 of 10   File: USPT   Nov 21, 1989

US-PAT-NO: 4881440
DOCUMENT-IDENTIFIER: US 4881440 A

TITLE: Electronic musical instrument with editor

DATE-ISSUED: November 21, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kakizaki; Tadasu	Shizuoka			JP

US-CL-CURRENT: 84/609; 84/649, 984/304, 984/DIG.1

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments`   `KWIC | Draw Desc | Image`

☐ 6. Document ID: US 4191081 A

L5: Entry 6 of 10   File: USPT   Mar 4, 1980

US-PAT-NO: 4191081
DOCUMENT-IDENTIFIER: US 4191081 A

TITLE: Selectable automatic arpeggio for electronic musical instrument

DATE-ISSUED: March 4, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deutsch; Ralph	Sherman Oaks	CA		
Deutsch; Leslie J.	Sherman Oaks	CA		

US-CL-CURRENT: 84/669; 84/663, 84/666, 84/DIG.22, 984/342, 984/DIG.1

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments`   `KWIC | Draw Desc | Image`

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L5: Entry 7 of 10   File: USPT   Jul 10, 1979

US-PAT-NO: 4160399
DOCUMENT-IDENTIFIER: US 4160399 A
** See image for Certificate of Correction **

TITLE: Automatic sequence generator for a polyphonic tone synthesizer

DATE-ISSUED: July 10, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deutsch; Ralph	Sherman Oaks	CA		

US-CL-CURRENT: 84/609; 84/461, 84/470R, 84/5, 84/649, 984/304, 984/341, 984/DIG.1

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments`   `KWIC | Draw Desc | Image`

☐ 8. Document ID: US 4022097 A

L5: Entry 8 of 10   File: USPT   May 10, 1977

US-PAT-NO: 4022097
DOCUMENT-IDENTIFIER: US 4022097 A

TITLE: Computer-aided musical apparatus and method

DATE-ISSUED: May 10, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Strangio; Christopher E.	Watertown	MA	02172	

US-CL-CURRENT: 84/635; 84/337, 84/338, 84/462, 84/464R, 84/609, 84/642, 84/649, 84/DIG.12, 84/DIG.22, 984/251, 984/388, 984/DIG.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |

☐ 9.   Document ID: US 3889568 A

L5: Entry 9 of 10   File: USPT   Jun 17, 1975

US-PAT-NO: 3889568
DOCUMENT-IDENTIFIER: US 3889568 A

TITLE: Automatic chord performance apparatus for a chord organ

DATE-ISSUED: June 17, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Amaya; Toshiyuki	Tokyo			JA

US-CL-CURRENT: 84/611; 84/613, 84/DIG.12, 84/DIG.22, 984/348, 984/DIG.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |

☐ 10.   Document ID: US 3837256 A

L5: Entry 10 of 10   File: USPT   Sep 24, 1974

US-PAT-NO: 3837256
DOCUMENT-IDENTIFIER: US 3837256 A

TITLE: SIGHT AND SOUND MUSICAL INSTRUMENT INSTRUCTION

DATE-ISSUED: September 24, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gullickson; Cecil F.	Winter Park	FL	32789	

US-CL-CURRENT: 84/478; 84/470R, 84/485R, 84/642, 84/DIG.12, 984/302, 984/347, 984/DIG.1

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